
Micro-dialysis Probe

WHAT IS CLAIMED IS:

1. A micro-dialysis probe which includes a supply line and a drainage line for a drip-feed solution and a dialysis section, wherein the flow channel for said drip-feed solution experiences an inversion in the area of said dialysis section between said supply line and said drainage line, characterised in that both said supply line and said drainage line are respectively arranged as separate hollow channels on the outer wall of said probe, side by side, in particular parallel.
2. The micro-dialysis probe as set forth in claim 1, characterised in that the first section of said drainage line in the direction of the flow consists of a dialysis hollow fibre penetrating into said supply line behind said inversion, said hollow fibre being fastened in the area of the sealed tip of said probe such that a linear course of flow is achieved after said inversion, while at its other end it is sealed into a second stable tube of the drainage line.
3. The micro-dialysis probe as set forth in claim 2, characterised in that the part of said tube in the area of said tip of said probe which lies over said hollow fibre forms a supporting section.
4. The micro-dialysis probe as set forth in claim 2, characterised in that said hollow fibre is formed to be replaceable and is sealed in, said tube and in particular said supporting section comprising recesses via which said hollow fibre is exposed outwards.
5. The micro-dialysis probe as set forth in claim 1, characterised in that the flow channel for said drip-feed solution consists of a hollow fibre with a supporting profile inserted into it, which separates said supply line and said drainage line from each other, said supporting profile comprising overflow openings in the area of flow inversion.

10068670-020502

6. The micro-dialysis probe as set forth in claim 5, characterised in that said hollow fibre, at the supply line end and drainage line end of said probe is sealed into a probe shaft which accommodates and continues said supply line and said drainage line separately.
7. The micro-dialysis probe as set forth in claim 5, characterised in that said profile is formed star-shaped, in particular as a three- or four-armed star.
8. The micro-dialysis probe as set forth in claim 5, characterised in that said profile is formed flat.
9. The micro-dialysis probe as set forth in claim 8, characterised in that said profile comprises bristles or knobs on at least one of its flat sides, to support said hollow fibre.
10. The micro-dialysis probe as set forth in any one of claims 1 to 9, characterised in that said supply line and/or said drainage line have a substantially linear course.

205020-0499001